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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/622,173

07/18/2003

Dennis Schaeffer

84,396

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11/02/2006

OFFICE OF COUNSEL, CODE 004

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EXAMINER

OLATUNJI, OLATUNDE O

ART UNIT

PAPER NUMBER

2135

DATE MAILED: 11/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/622,173

Applicant(s)

SCHAEFFER, DENNIS

Examiner

Olatunde Olatunji

Art Unit

2135

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07/18/2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: ____.

DETAILED ACTION

Claim(s) 1-6 have been presented for examination.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by D'Luna et al.,

2002/0106018

With the respect to Claim 1, D' Luna reference teaches a first interface (see Fig. 1, page 2, ¶ [0033], "system interfaces with RF devices"), with a transmit and a receive port (see Fig. 1, page 2, ¶ [0033]), for receiving data from a sensitive network (see Fig. 1, element 40) and for transmitting signals to said sensitive network (see Fig. 1, element 40);

a second interface (see Fig. 1, page 2, ¶ [0033], "for display on a display device, such as, for example, a display device 50"), with a transmit port, for transmitting said data to a remote network (see Fig. 1, element 50; page 2, ¶ [0033]);

an optical signal generator wherein a signal is transmitted (see page 2, ¶ [0033], "Video and graphics signals transmitted to the display device 50"; page 1, ¶ [0007]) from said first interface to said sensitive network (see Fig. 1, element 40).

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Aronson et al., 2002/0065566

With the respect to Claim 1, Aronson reference teaches a first interface (see Fig. 3, element 68), with a transmit and a receive port (see Fig. 3, element 68), for receiving data from a sensitive network (see page 3, ¶ [0036], "Digital video recorder 70 may receive television programming") and for transmitting signals to said sensitive network (see page 3, ¶ [0036], "may access interactive services using input 68");

a second interface (see Fig. 3, element 72), with a transmit port (see Fig. 3, element 72), for transmitting said data to a remote network (see Fig. 3, element 74; page 3, ¶ [0037] - ¶ [0039]);

an optical signal generator wherein a signal is transmitted from said first interface (see page 3, ¶ [0036], "Digital video recorder 70 may have analog and digital tuning circuitry to receive and process television signals") to said sensitive network (see page 3, ¶ [0037], "Recorded videos or real-time videos from input 72 may be displayed on television 74").

Claims 2-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Miyao et al., 2003/0084334

With the respect to claim 2, Miyao reference teaches a first media converter (see Fig. 9, element 104, "network card") for receiving data from a workstation;

a second media converter (see Fig. 9, element 110, "network card") for receiving data from said first media converter, and transmitting said data to a remote computer;

an optical signal generator (see Fig. 5, element 502; page 3, ¶ [0044] – [0046]), wherein said optical signal generator sends signals to said workstation to imitate a standard transmit and receive connection, and said signal generator sends signals to said second media converter to imitate a standard transmit and receive connection, whereby no physical connection exists that said remote computer can send any signals to said workstation (see page 4, ¶ [0062] & ¶ [0065]).

With the respect to claim 3, Miyao reference teaches said first media converter, said second media converter and said optical signal generator are in a common housing (see Fig. 9, element 100, "computer system").

With the respect to claim 4, Miyao reference teaches wherein said workstation is operatively connected to a network of data acquisition units (see Fig. 9, element 602, "network"; page 4, ¶ [0061]).

With the respect to claim 5, Miyao reference teaches wherein said remote computer is operatively connected to a network (see Fig. 9, element 601, "network").

With the respect to claim 6, Miyao reference teaches:

a first network (see Fig. 9, element 601, "network");

a second network (see Fig. 9, element 602, "network");

an isolation box (see Fig. 9, element 100), operatively connected between said first and said second network (see Fig. 9), including a first media converter (see Fig. 9, element 104), a second media converter (see Fig. 9, element 110) and a signal generator (see Fig. 5, element 502), wherein said signal generator sends signals to switches on said first network and said second media converter whereby said switches need appear fully connected (see page 3, ¶ [0044] – [0046]).

Prior Art Made of Record

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following patents and patent applications are cited to further show the state of one-way network transmission interface unit, such as:

United States Patent No. 6,363,489 to Comay et al., to show a method for automatic intrusion detection and deflection in a network

United States Patent No. 6,327,242 to Amicangioli et al., to show a message redirector with cut-through switch for highly reliable and efficient network traffic processor deployment.

United States PG Pub. 2002/0032871 to Malan et al., to show a method and system for detecting, tracking and blocking denial of service attacks over a computer network.

United States PG Pub. 2002/0153998 to Litwin, JR. et al., to show an apparatus for providing security on a powerline-modem network.

United States PG Pub. 2004/0015721 to Eastlake, III, to show a denial of service defense by proxy.

United States PG Pub. 2004/0039938 to Katz et al., to show a method for minimizing denial of service attacks on network servers.

Conclusion

All claims are rejected.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Olatunde Olatunji whose telephone number is (571) 270-1020. The examiner can normally be reached on M-TR 7:30-5pm EST & 2nd Friday 7:30-4pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on (571) 272-3859. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2135

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

O.O,
Olatunde Olatunji
10/23/2006


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